

FIG. 1

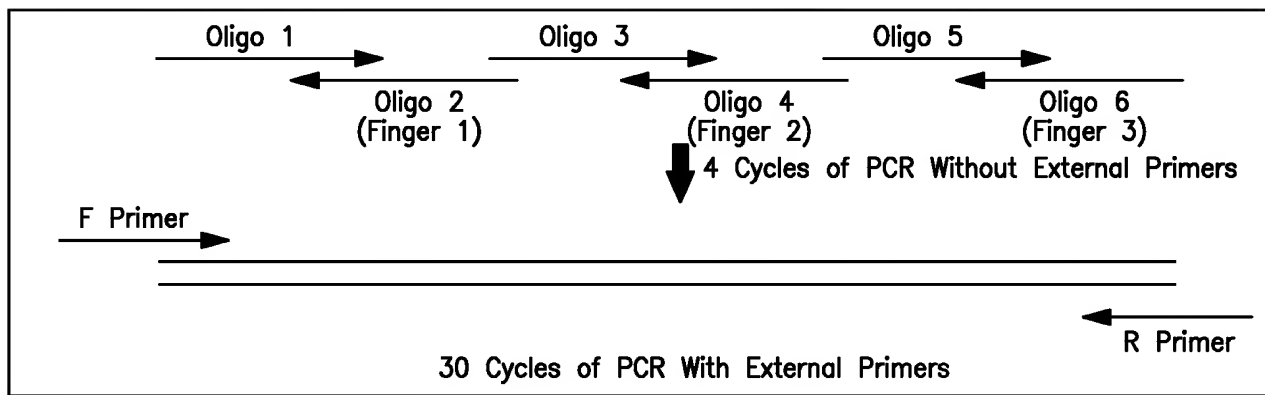


FIG. 2

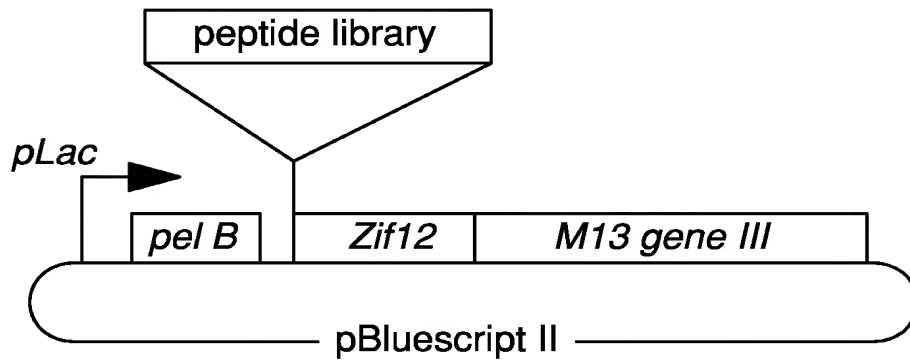


FIG. 3A

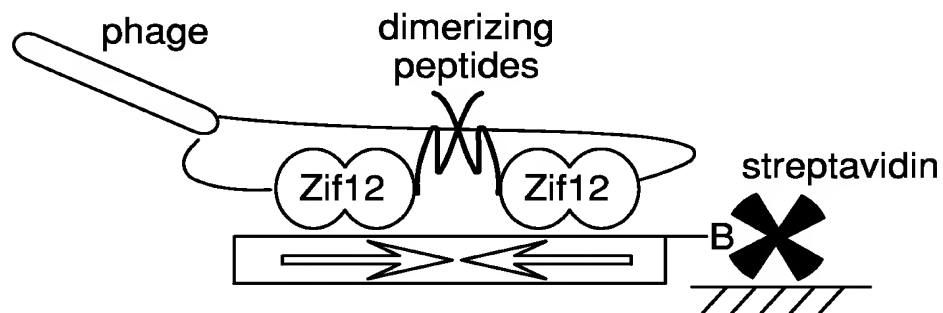
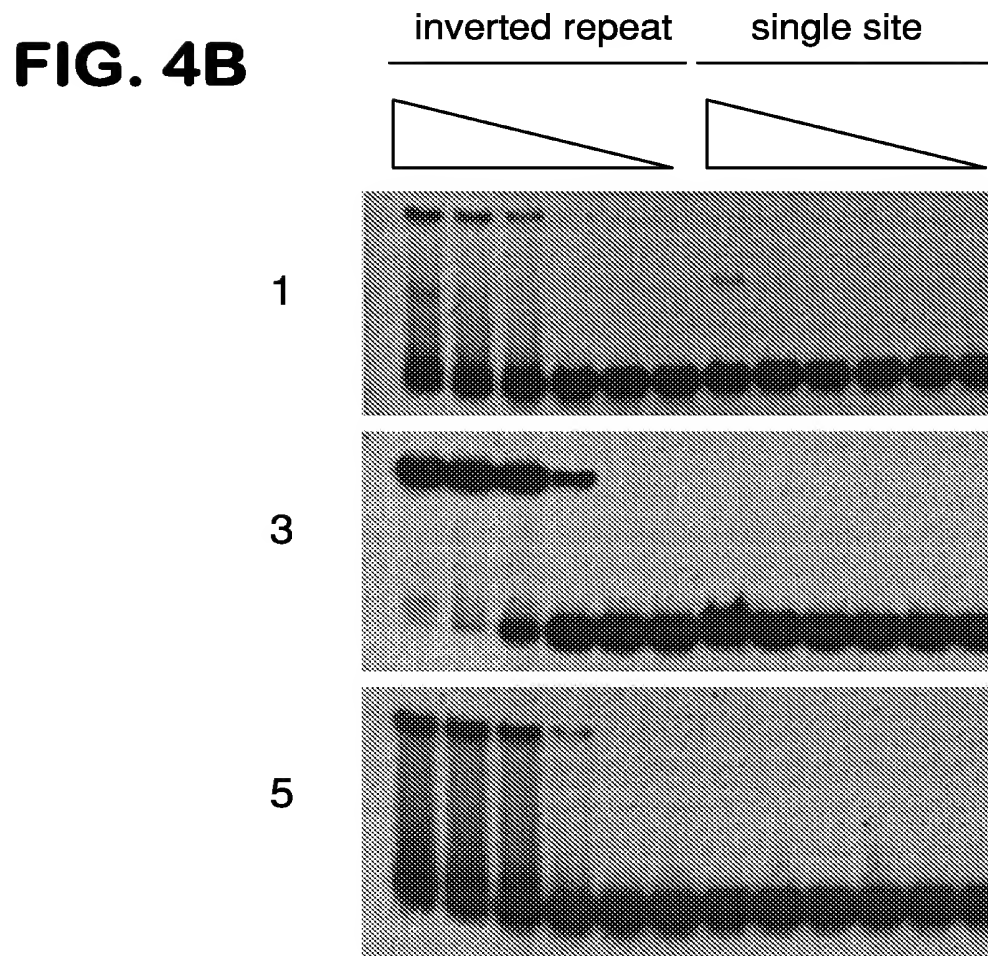


FIG. 3B

5' -GCAG **TGGGCGCGCCCA**CAGTACTTGAACGTAACG — Bio
3' -CGTC **ACCCGCGCGGGT**GTCATGAACTTGCATTGC

FIG. 3C

FIG. 4A peptide 1: GGGQWLGTWEWYGPK (10)
2: YEKISVEGIKDVRVR (9)
3: NVSIEGVLKYRGLR (6)
4: RSCGLDYEGYWLKLK (13)
5: SRWLEEEVSRLLLLR (6)
6: GEALDRFEREMKLMR (1)



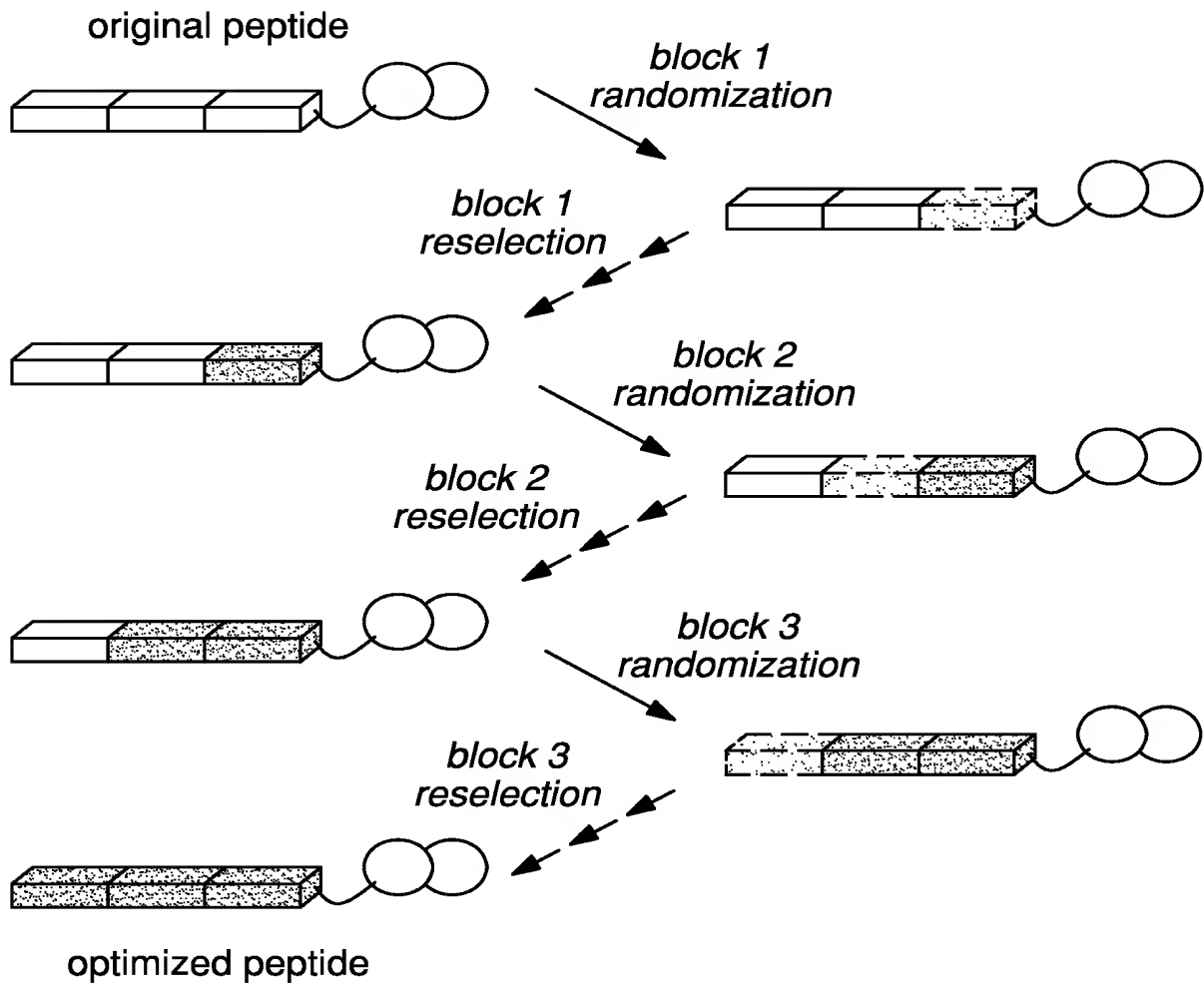


FIG. 5

peptide 1		GGGQW	LGTWE	WYGP	K	-	Zif12	
Step 1 (Cycle 6)		GGGQW	LGTWE	HP	KMK			
		GGGQW	LGTWE	PA	KIR			
		GGGQW	LGTWE	VP	KSR			
		GGGQW	LGTWE	VP	RLK			
		GGGQW	LGTWE	AP	KLR			
Step 1 (Cycle 9)		GGGQW	LGTWE	HA	KIR			
		GGGQW	LGTWE	VV	KMR			
		GGGQW	LGTWE	PV	KMR			
		GGGQW	LGTWE	VP	KQR		E21D	
		GGGQW	LGTWE	VP	KQR			
Step 2 (Cycle 9)		GGGQW	LL	NYK	VP	KQR		
		GGGQW	LL	NYV	VP	KQR		
		GGGQW	LL	DYI	VP	KQR		
		GGGQW	LL	NYI	VP	KQR		
		GGGQW	LL	QYV	VP	KQR		
Step 3 (Cycle 6)		GGGQW	LL	NYV	VP	KQR		
		GGGQW	LL	EYK	VP	KQR		
		GGGQW	LL	DYV	VP	KQR		
		HP	MNN	LL	NYV	VP	KMR	
		HP	MNN	LL	NYV	VP	KMR	
peptide 1*		PP	STE	LL	NYV	VP	KLR	
		Q	KYGD	LL	NYV	VP	KLR	
		EN	EYK	LL	NYV	VP	KLR	
		EN	EYK	LL	NYV	VP	KLR	
		HP	MNN	LL	NYV	VP	KMR	- Zif12
peptide 1* (variant)		EN	EYK	LL	NYV	VR	KLR - Zif12	

FIG. 6

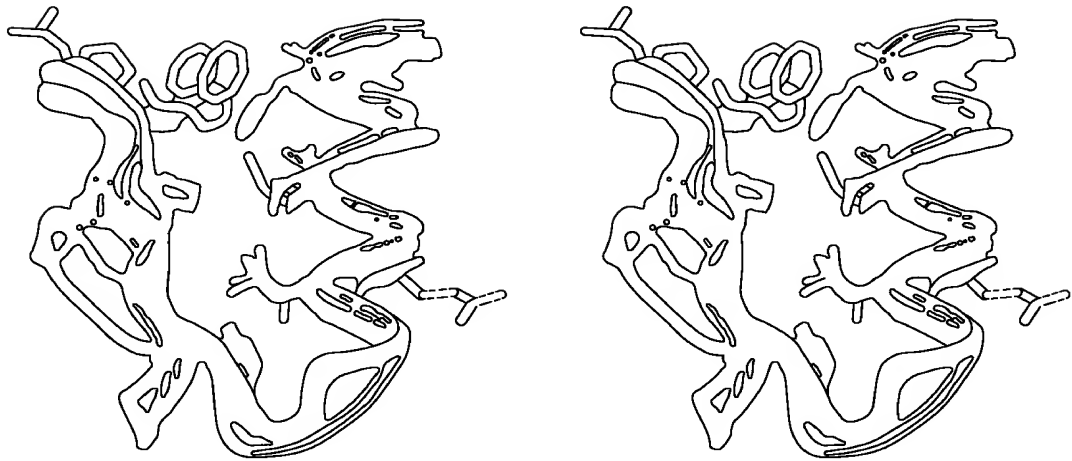


FIG. 7A

ZIF1: P Y A C P V K S C D R R F S R S D E L T R K T R I R T
GLI1: E T D C F W D G C S Q E F D S Q E Q L V K H I N S E H I
GLI2: K K V C F W G G C S K E L R F F K A Q Y M L V V M M K R H T
SWI1: T K E C L F K C C T K T F K K K Y N L R C M I Q T H L

FIG. 7B

Zinc Finger Homodimer

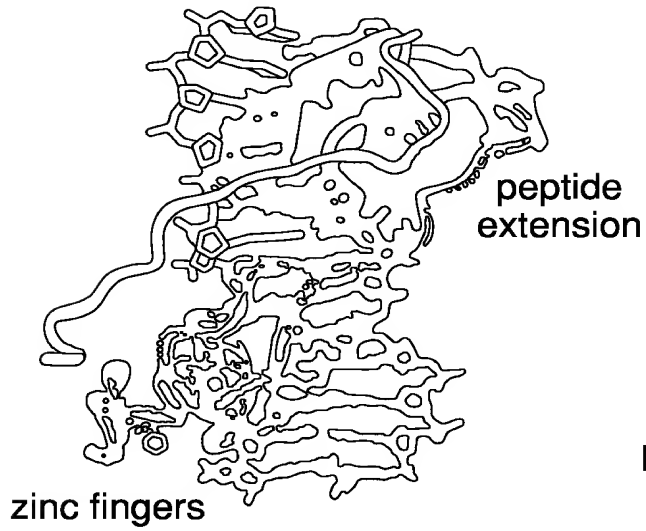


FIG. 8A

MATa1/a2 Heterodimer

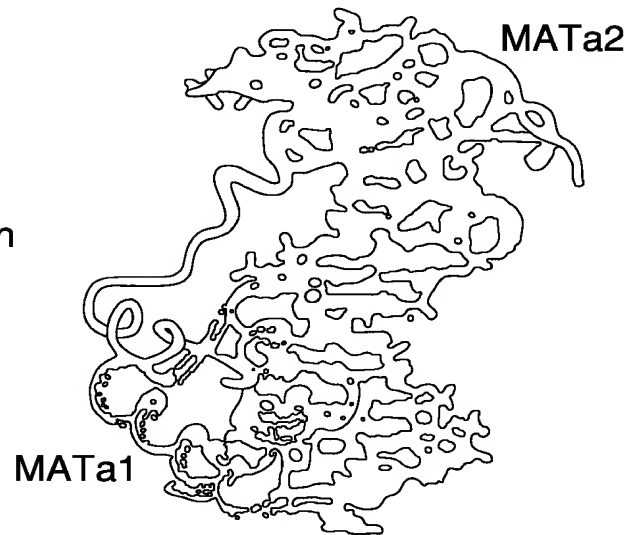


FIG. 8B

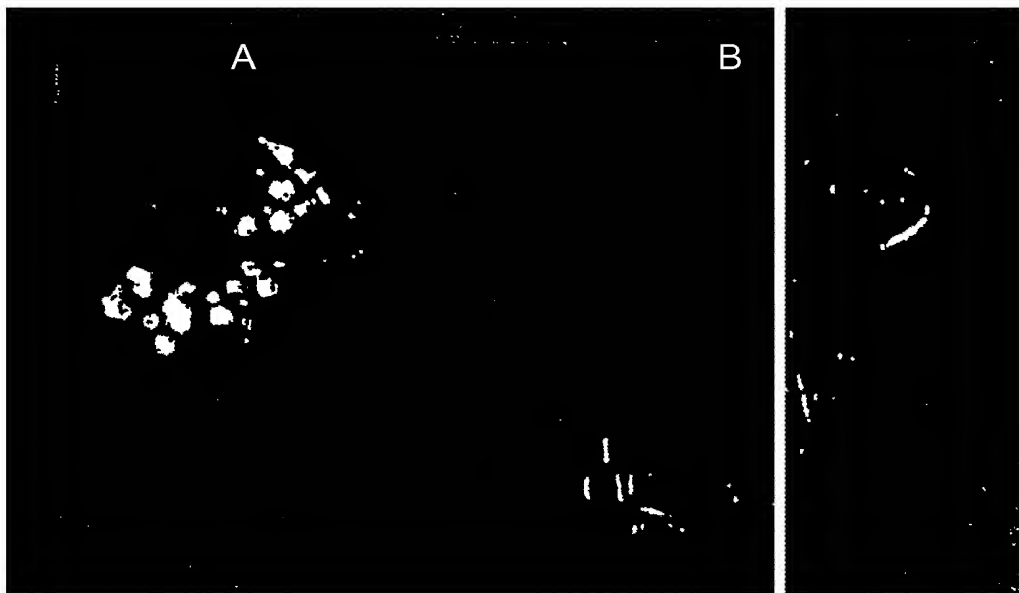


FIG. 9